

NH Public Utilities Commission

REC Aggregator Portal

NHPUC 15APR'16AM11:40

New Users [CLICK HERE](#) to setup your account for this form. Creating an account enables you to partially complete the form and return later to finish it or to make changes after the form is submitted. Be sure to create your account **BEFORE** entering information into the form, or the information will be lost.

Existing Users [CLICK HERE](#)

Basic Information

Who is submitting this request?

Aggregator

Aggregator Batch Number

KE041316

Are you registered in NH

- ☒ Yes
☐ No

Aggregator name

Knollwood Energy - 14625

NH Reg #

Aggregator Email

karenton@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Name

Facility Owner Name

Richard Hill

Facility Owner email

hill.carson@gmail.com

Owner Phone

603-876-4637

Facility Address

424 Stone Pond Rd

Facility Town/City

Marlborough

Facility State

NH

Facility Zip

03455

Is the facility address the same as the owner's mailing address

- ☒ Yes
☐ No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact

Karen Tenneson

Primary Contact

Facility Primary Contact

karenton@knollwoodenergy.com

Other Email Address

Facility Information

Class

Utility

Other Utility Name

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

Date of Initial Operation

Facility Operator Name, if applicable

Panel Quantity

Panel Make

Panel Model

Panel Rated Output

System capacity based on panels

Inverter Quantity

1

Inverter Make

Fronius

Add'l Inverter Quantity

NA

Additional Inverter Make

None

Rated Output - Primary Inverter

750

Rated Output - Additional Inverter

System capacity based on single inverter make

750

System capacity based on two inverter types

System capacity in kW as stated on the interconnection agreement

8.58

Revenue Grade Meter Make

GE

Was this facility installed directly by the customer (no electrician involved)?

☐ Yes

☒ No

Electrician Name & Number

Josh Weston6930M

Other Electrician Name & Number

Installation Company

Solar Dave LLC

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name & Company

Other Monitor Name and Company

Is the installer also the equipment supplier?

- ☒ Yes
☐ No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Please attach additional document here

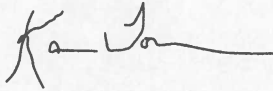
https://fs30.formsite.com/jan1947/files/f-5-168-6542013_i35ktWlj_Hill_NHOS.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-6542013_HjtCCzPQ_RHill_SPIA.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Karen Tonnesen

Date Signed

04/12/2016

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA (Continued)

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information:

☐ Check if owner-installed

Customer or Company Name (print): Richard Hill

Contact Person, if Company: _____

Mailing Address: 424 Stone Pond Rd

City: Marlborough State: NH Zip Code: 03455

Telephone (Daytime): 603-876-4637 (Evening): _____

Facsimile Number: _____ E-Mail Address: Hillcarson@gmail.com

Address of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Generation Vendor: David Wirth Contact Person: David Wirth

I hereby certify that the system hardware is in compliance with Psc 900.

Vendor Signature: [Signature] Date: 5/28/14

Electrical Contractor's Name (if appropriate): Cheshire County Electric

Mailing Address: P.O. Box 145

City: Winchester State: NH Zip Code: 03470

Telephone (Daytime): 603-237-4989 (Evening): _____

Facsimile Number: _____ E-Mail Address: Weston4@nerr.com

License number: 6930 m

Date of approval to install Facility granted by the Company: 3/18/14 Installation Date: _____

Application ID number: N12914

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of

Marlborough NH / Cheshire
(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): [Signature]

Name (printed): HAMILTON R. HAMPSON

Date: 5/31/14

Customer Certification:

I hereby certify that, to the best of my knowledge, all the information contained in this Interconnection Notice is true and correct. This system has been installed and shall be operated in compliance with applicable electrical standards. Also, the initial start up test required by Psc 905.04 has been successfully completed.

Customer Signature: [Signature] Date: 5/28/14

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

RECEIVED
MAR 14 2014
SESD

Date Prepared: 2/22/14

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): RICHARD C. HILL

Contact Person, if Company:

Mailing Address: 424 STONE POND RD

City: MARLBOROUGH

State: NH

Zip Code: 03455

Telephone (Daytime): 603 876 4637

(Evening): 603 876 4637

Facsimile Number:

E-Mail Address: HILL.CARSON@GMAIL.COM

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: Perkins Home Center

David Walsh

Mailing Address: P.O. Box 430 Route 9

City: West Chesterfield

State: NH

Zip Code: 03467

Telephone (Daytime): 603-256-6844

(Evening): 603-313-8671

Facsimile Number: 603-256-8511

E-Mail Address: dwalsh@perkinshomecenter.com

Electrical Contractor Contact Information (if appropriate):

Name: Cheshire County Electric

Dash Weston

Mailing Address: P.O. Box 145

City: Winchester

State: NH

Zip Code: 03470

Telephone (Daytime): 603-239-4989

(Evening):

Facsimile Number:

E-Mail Address: weston4@nerr.com

Facility Site Information:

Facility (Site) Address: 424 STONE POND RD (BARN ROOF)

City: MARLBOROUGH

State: NH

Zip Code: 03455

Electric

Service Company: PSNH

Account Number: 56961880010

Meter Number:

Non-Default Service Customers Only:

Competitive Electric

Energy Supply Company:

Account Number:

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

Facility Machine Information:

Generator/

Inverter Manufacturer: Fronius

Model Name &

Number: 7.5-1 uni

Quantity: 1

Nameplate Rating: 7.5 (kW)

(kVA)

(AC Volts)

Phase: Single ☒ Three ☐

System Design Capacity: 7.5 (kW)

(kVA)

Battery Backup: Yes ☐ No ☒

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☒ No ☐

Prime Mover: Photovoltaic ☒

Reciprocating Engine ☐

Fuel Cell ☐

Turbine ☐

Other ☐

Energy Source: Solar ☒

Wind ☐

Hydro ☐

Diesel ☐

Natural Gas ☐

Fuel Oil ☐

Other ☐

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)

Yes ☒ No ☐

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use in Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. *Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.*

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'

Yes ☐ No ☒

Location of External Manual Disconnect Switch: _____

Project Estimated Install Date: 3/26/14 Project Estimated In-Service Date: 3/27/14

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: Richard L. Hill Title: HOMEOWNER Date: 2/24/14

Please include, a one-line and/or three-line drawing of proposed installation

For PSNH Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☒ To be Determined ☐

Company Signature: Michael Moffa Title: SR. ENGINEER Date: 3-17-14

PSNH Application Project ID#: _____

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Terms and Conditions for Simplified Process Interconnections

Company waives inspection/Witness Test: Yes ☒ No ☐

Date of inspection/Witness Test: _____

1. **Construction of the Facility.** The Interconnecting Customer may proceed to construct the Facility in compliance with the specifications of its Application once the Approval to Install the Facility has been signed by the Company.
2. **Interconnection and operation.** The Interconnecting Customer may operate Facility and interconnect with the Company's system once the all of the following has occurred:
 - 2.1. **Municipal Inspection.** Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
 - 2.2. **Certificate of Completion.** The Interconnecting Customer returns the Certificate of Completion to the Agreement to the Company at address noted.
 - 2.3. **Company has completed or waived the right to inspection.**
3. **Company Right of Inspection.** The Company will make every attempt within ten (10) business days after receipt of the Certificate of Completion, and upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Interconnection Standard. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. All projects larger than 10 kVA will be witness tested, unless waived by the Company.
4. **Safe Operations and Maintenance.** The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Disconnection.** The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
6. **Metering and Billing.** All renewable Facilities approved under this Agreement that qualify for net metering, as approved by the Commission from time to time, and the following is necessary to implement the net metering provisions:
 - 6.1. **Interconnecting Customer Provides:** The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards. In some cases the Interconnecting Customer may be required to install a separate telephone line.
 - 6.2. **Company Installs Meter.** The Company will make every attempt to furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion if inspection is waived, or within 10 business days after the inspection is completed, if such meter is not already in place.
7. **Indemnification.** Interconnecting Customer and Company shall each indemnify, defend and hold the other, its directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification.
8. **Limitation of Liability.** Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
9. **Termination.** This Agreement may be terminated under the following conditions:
 - 9.1. **By Mutual Agreement.** The Parties agree in writing to terminate the Agreement.
 - 9.2. **By Interconnecting Customer.** The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
 - 9.3. **By Company.** The Company may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12 month period, or (2) in the event that the Facility impairs or, in the good faith judgment of the Company, may imminently impair the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
10. **Assignment/Transfer of Ownership of the Facility.** This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the Company.
11. **Interconnection Standard.** These Terms and Conditions are pursuant to the Company's "Interconnection Standards for Inverters Sized Up to 100 kVA" for the Interconnection of Customer-Owned Generating Facilities, as approved by the Commission and as the same may be amended from time to time ("Interconnection Standard"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Standard (see Company's website for the complete document).

State of New Hampshire
Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301
603-271-2431
www.puc.nh.gov

Form PUC 909.09 Application to Register or Re-register as a Host (RSA 362-A:9, XIV)

Host Information:

RICHARD HILL
Host's Name and Trade Name:
424 STONE POND RD ; MARLBOROUGH, NH 03455
Host Mailing Address
424 STONE POND RD ; MARLBOROUGH, NH 03455
Host Service Address
(603) 876-4637 HILL.CARSON@GMAIL.COM NA
Host Telephone Number Host email address Host website

Person Responsible for Responding to Commission Inquiries:

Name	Telephone Number	Email address
------	------------------	---------------

Group Member Information (attach additional sheets if necessary):

<u>(Host) RICHARD HILL</u>	<u>424 STONE POND RD ; MARLBOROUGH, NH 03455</u>	
Name	Billing Address	
<u>424 STONE POND RD - (BARN)</u>	<u>1020 KWh</u>	
✓ PSNH SERVICE ACCOUNT # 56961330010	Service Address	Projected annual load
<u>RICHARD HILL</u>	<u>424 STONE POND RD ; MARLBOROUGH, NH 03455</u>	
Name	Billing Address	
<u>424 STONE POND RD - (HOUSE)</u>	<u>8670 KWh</u>	
✓ PSNH SERVICE ACCOUNT # 56880880091	Service Address	Projected annual load
Name	Billing Address	
	Service Address	Projected annual load

Group Member Information (continued):

Name	Billing Address
Service Address	Projected annual load
Name	Billing Address
Service Address	Projected annual load
Name	Billing Address
Service Address	Projected annual load
Name	Billing Address
Service Address	Projected annual load
Name	Billing Address
Service Address	Projected annual load
Name	Billing Address
Service Address	Projected annual load

Host's total historic annual load 1020 KWh and projected annual load 1020 KWh.

Host facility's actual output _____ and projected output _____.

Total historic annual load (combined) of all members: 9690 KWh.

Total projected annual load (combined) of all members: 9690 KWh.

Fuel source and generation capacity of host's facility: _____.

By signing below, I certify the following:

that each member and the host are default service customers of the same distribution utility;

that each member has signed an agreement with the host that complies with Puc 902.01;

that the total historic annual load of the members together with the host exceeds the projected annual output of the host's facility;

that I have provided a copy of this application, with any attachments, to the distribution utility;

that I have the authority to sign this application on behalf of the host; and

that the information on this form is true to the best of my knowledge and belief.

Dated: 2/22/14 RICHARD C. Hill Richard C. Hill
Printed name: Signature

Notes

This document may be signed electronically, RSA 294-A.

This form and any attachments shall be filed electronically through the PUC's website, www.puc.nh.gov, in a format compatible with the computer system of the commission, Puc 203.03.

The commission shall accept this form and any attachments through the regular mail or by hand delivery if the applicant certifies it is unable to file the documents electronically.

Questions? Call the PUC at 603-271-2431 or 1-800-735-2964

New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Richard C. Hill

Printed Name of signature owner

Richard C Hill

Richard C Hill (Apr 6, 2016)

Signature of system owner